

Multiplexer Priority:

- 1 - Debug/DFT IP
- 2 - Exception/Fault re-steer
- 3 - Branch mispredict re-steer
- 4 - '1' bubble branch re-steer
- 5 - '0' bubble branch re-steer
- 6 - Sequential IP (IP+1)

Prior Art

Figure 1

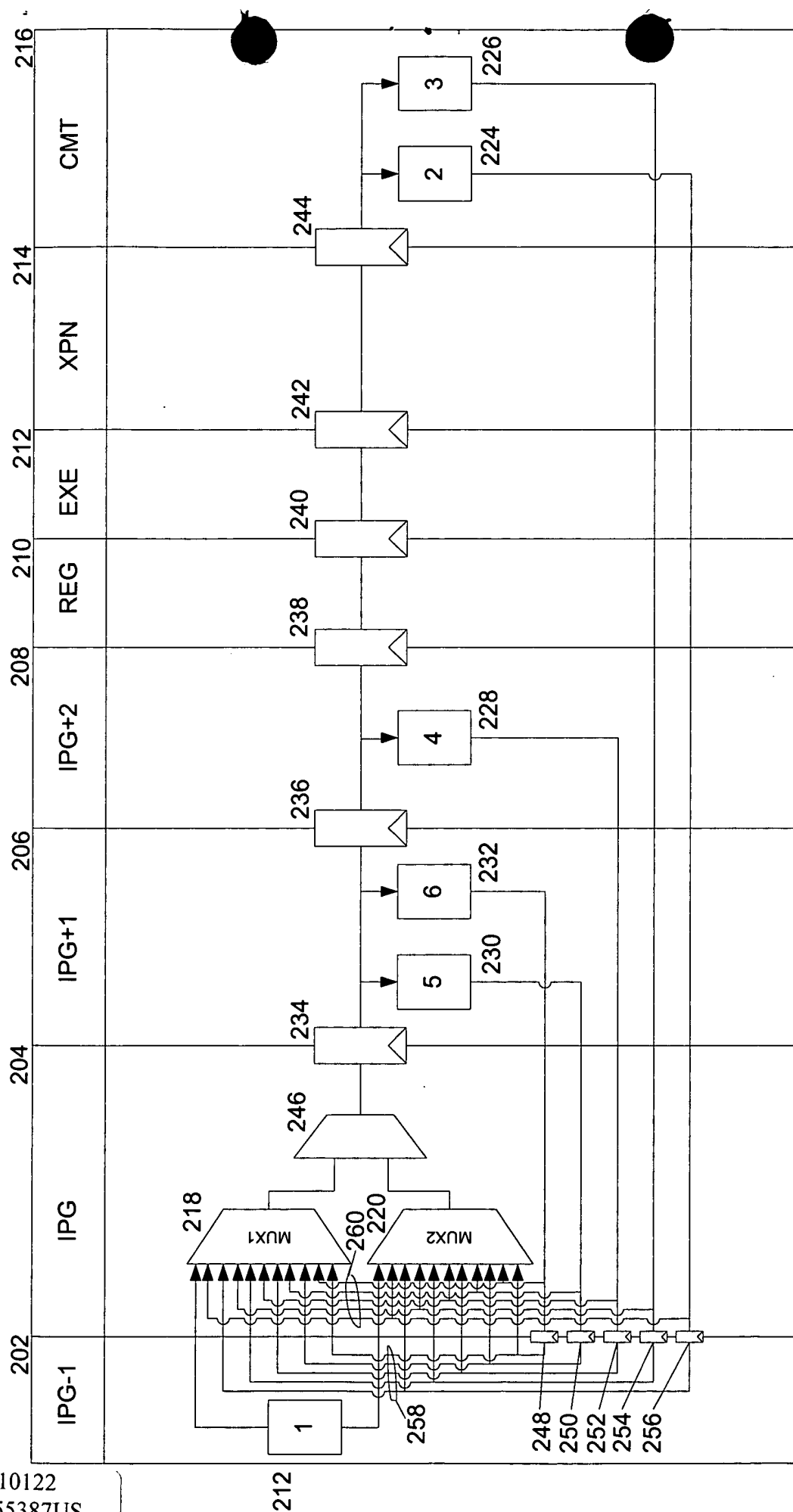
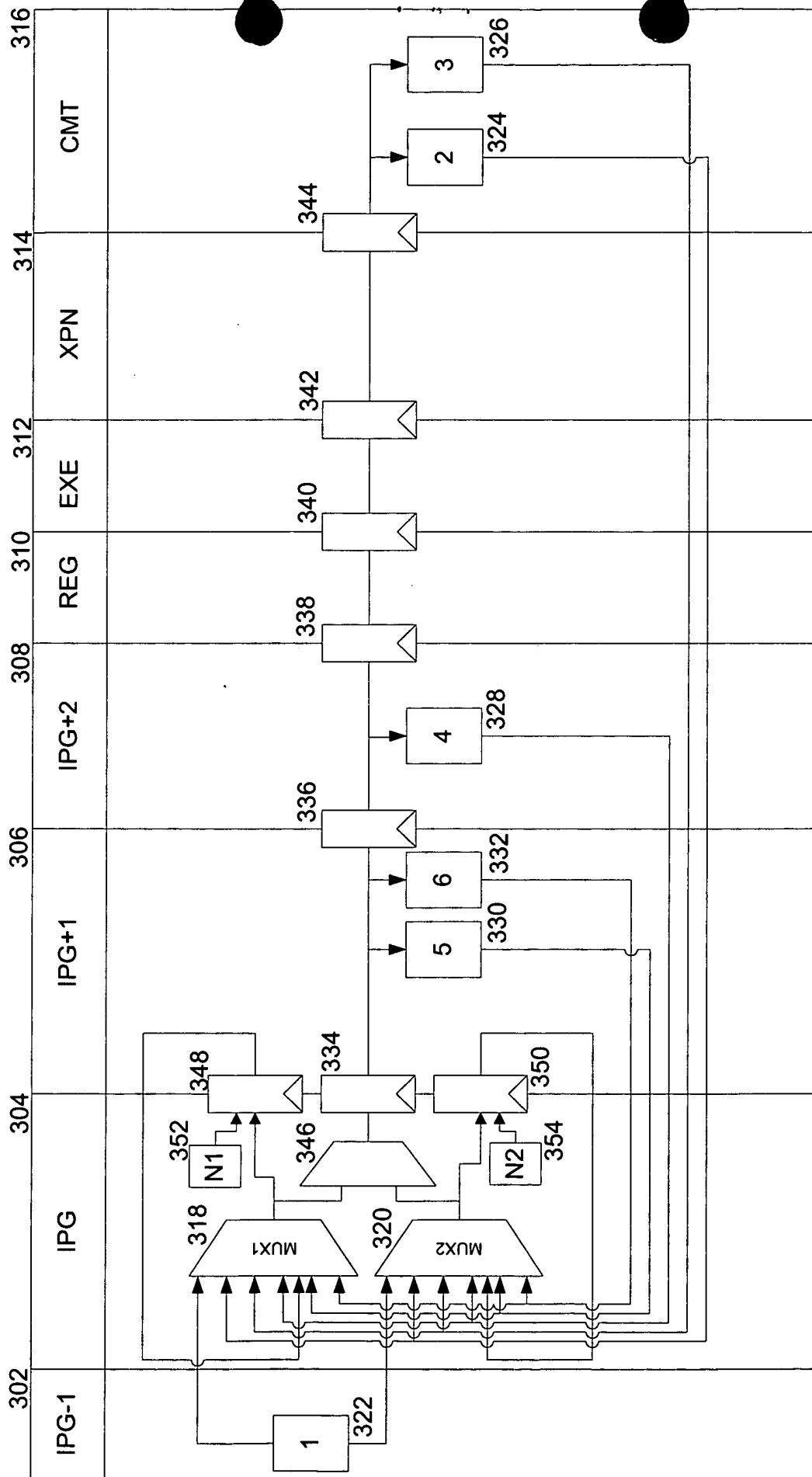


Figure 2

Multiplexer Priority:

- 1 - Debug/DFT IP
- 2 - Exception/Fault re-steer
- 3 - Branch mispredict re-steer
- 4 - '1' bubble branch re-steer
- 5 - '0' bubble branch re-steer
- 6 - Sequential IP (IP+1)

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Multiplexer Priority:

- 1 - Debug/DFT IP
- 2 - Exception/Fault re-steer
- 3 - Branch mispredict re-steer
- 4 - '1' bubble branch re-steer
- N1/N2 - Inactive thread re-steer
- 5 - '0' bubble branch re-steer
- 6 - Sequential IP (IP+1)

Figure 3

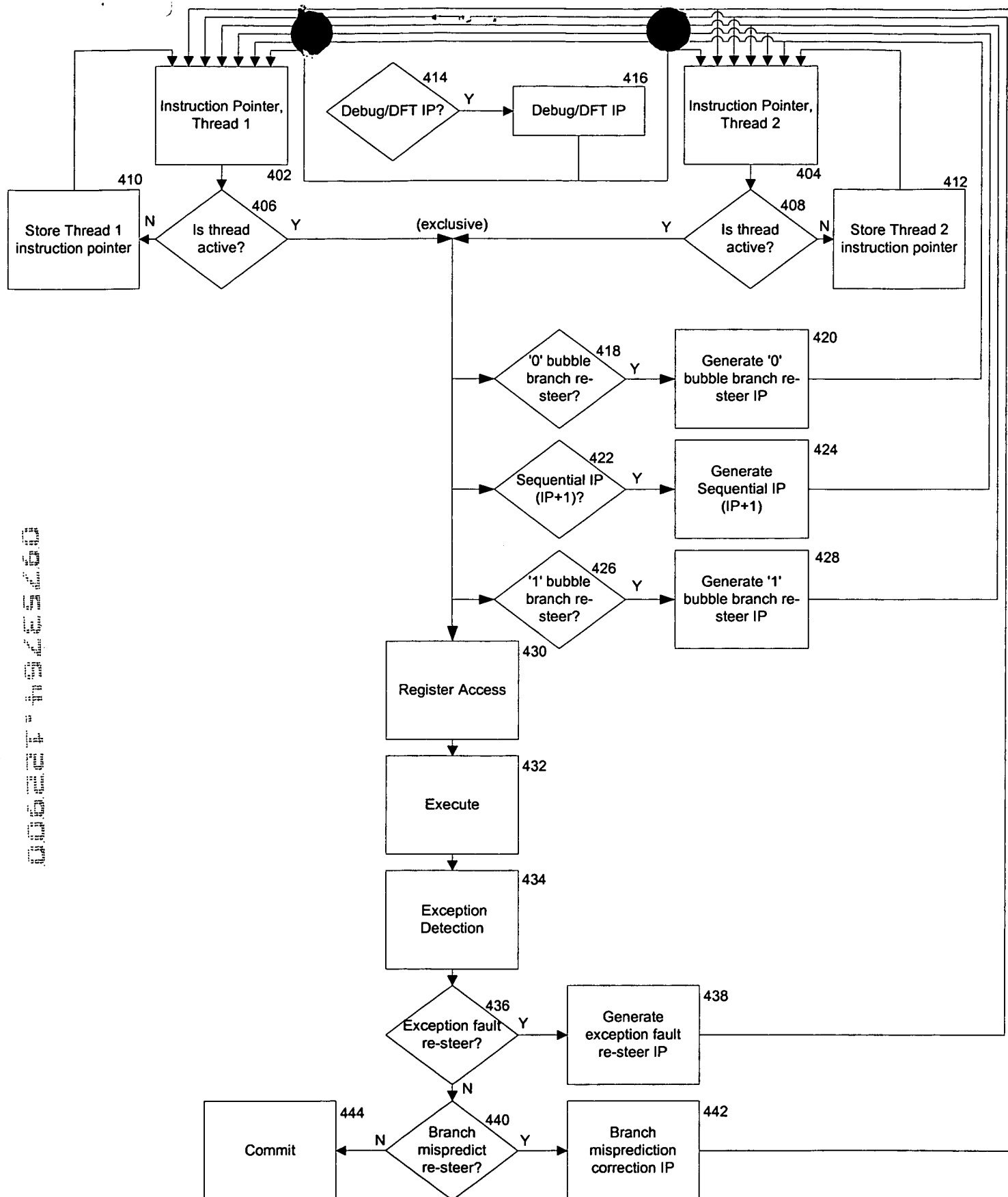


Figure 4